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PTO/SB/05 (11 -00) Approved for use through 10/31/2002. OMB 0651-0032

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PATENT APPLICATION **TRANSMITTAL** 

| Attorney Docket No. First Inventor |   | 82,499   |  |  |
|------------------------------------|---|----------|--|--|
|                                    |   | Sanghera |  |  |
| Title                              | MISSILE WARNING AND PROTECTION SYSTEM FOR |          |  |  |
|                                    |   |          |  |  |

| See MPEP chapter 600 concerning utility patent application contents.   See MPEP chapter 600 concerning utility patent application contents.   Fee Transmittal Form (e.g., PTOISBIT)   Submit mergand and states for previously   See 37 CFR 1.27.   CD-ROM or CD-R in duplicate, large table or Computer Readable Form (CRF)   Submit mergand and states for the blook   Submit mergand and states for the blook   Submit mergand   Submit    | (Only for new non provision                       | al applications under 37 CFR 1.5   | 3(D)) [ =                             | xpress iv  | iali Label No.             |                   |   |
|--|---|--|---------------------------------------|--|----------------------------|-------------------|---|
| See Fig. Transmittal Form (e.g., PTOISB1T)   Computer Program (Appendix)   | APPLICATION ELEMENTS                              |  |                                       | Assistant Commissioner for Patents  ADDRESS TO: Box Patent Application   |                            |                   |   |
| Septimize   Fee Transmittal Form (e.g., PTOISBIT7)   | See MPEP chapter 600 conce                        | ntents.  |                                       | Washii   | ngton, DC 202              | 31                |   |
| Applicant claims small entity status.  See 37 FR 127.    X   Specification   See 37 FR 127.  | Fee Transmittal For                               | m (e.g., PTO/SB/17)  |                                       |  |                            |                   | table or                                  |
| See 37 CFR 1.27.   Total Pages   Total Pag   | 1. Constitution or again and                      |  |                                       |  | Computer Program (Ap       | pendix)           | h-mingian                                 |
| Specification   Total Pages   17   |   |  |                                       |  |                            | Sequence Su       | DITHISSION                                |
| Continuity   Comparison   Continuity   Comparison   Continuity   Comparison   Continuity   Comparison   Continuity   Continuity   Comparison   Continuity   Con   |   | ITotal Pages 17  |                                       | (ii abt  |                            | Form (CRF)        |   |
| - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure  4.  | 3. (preferred arrangement s                       | set forth below)   |                                       | a  | <b>」</b> `                 | , ,               |   |
| - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure  4.  | - Descriptive title o                             | of the invention<br>to Rolated Applications                                  |                                       | b. Spec  |                            |                   |   |
| - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure  4.   | - Statement Regal                                 | rding Fed sponsored R & D  |                                       |  | 1. CD-ROM or C             | D-R (2 copies     | ); or                                     |
| or a computer program ising appendix  - Background of the Invention  - Brief Summary of the Invention  - Brief Description of the Drawings (if filed)  - Detailed Description  - Claim(s)  - Abstract of the Disclosure  4. X Drawing(s) (35 U. S. C. 113) [ Total Sheets 3  | - Reference to sec                                | uence listing, a table,  |                                       |  | 11. Daper                  |                   |   |
| Brief Summary of the Invention Brief Description of the Drawlings (if filed) Detailed Description Obstance of the Drawlings (if filed) Detailed Description Abstract of the Disclosure  4.   | or a computer pr                                  | ogram listing appendix   |                                       | ٠ ٢  |                            | identity of abo   | ve copies                                 |
| - Brief Description of the Drawings (if filled) - Detailed Description - Claim(s) - Abstract of the Disclosure  4. X Drawing(s) (35 U. S. C. 113) [Total Sheets 3  |   |  |                                       |  |                            |                   |   |
| - Claim(s) - Abstract of the Disclosure  A X Drawing(s) (35 U. S. C. 113) { Total Sheets 3   1   1   English Translation Document (if applicable)   11   English Translation Document (if applicable)   12   Information Disclosure   Copies of IDS   Statement (IDS)/PTO-1449   Citations   13   Preliminary Amendment   12   Information Disclosure   Copies of IDS   Statement (IDS)/PTO-1449   Citations   13   Preliminary Amendment   14   X   Return Receipt Postcard (MPEP 503)   (Should be specifically itemized)   14   X   Return Receipt Postcard (MPEP 503)   (Should be specifically itemized)   15   Certified Copy of Priority Document(s)   (Information Disclosure of the prior application see 37 CFR 1.76   15   Certified Copy of Priority Document(s)   (Information Disclosure of the prior application and certification under 35 U.S.C. 122 (b)(2)(13)(i) Applicant must attach form PTO/S8/35 or its equivalent.  18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1, 76:   Other:   Continuation   Dissional   Dissional   Dissional   Dissional   Dissional   Continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.  19 CORRESPONDENCE ADDRESS    X Customer Number or Bar Code Laber   (Insert   Dr. Address   Dr. Addres | - Brief Description                               | of the Drawings (if filed)   |                                       | AC   |                            |                   |   |
| - Abstract of the Disclosure  4. X Drawing(s) (35 U. S. C. 113) [ Total Sheets 3   11.   | •   | tion   |                                       | 9  |                            |                   |   |
| A. X Drawing(s) (35 U. S. C. 113) [ Total Sheets 3   1   11.   |   | Dieclosure   |                                       | 10   |                            |                   | i   |
| 12. Information Disclosure Statement (IDS)/PTO-1449 Statement (IDS)/PTO-1449 13. Newly executed (original or copy) DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).  6. X Application Data Sheet See 37 CFR 1.76  18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information: October application information: Derivation Der | - Vhanger of the r                                | <u></u>  | 1                                     |  | - ·                        | -                 | •   |
| 5. Oath or Declaration  a. X Newly executed (original or copy)  b. Copy from a prior application (37 CFR 1.63 (d))  b. Copy from a prior application (37 CFR 1.63 (d))  copy from a prior application (37 CFR 1.63 (d))  b. DELETION OF INVENTOR(S)  Signed statement attached deleting inventor(s)  named in the prior application see 37 CFR  1.63(d)(2) and 1.33(b).  6. X Application Data Sheet. See 37 CFR 1.76  18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1, 76:  Continuation Data Sheet under 37 CFR 1, 76:  To Continuation Data Sheet under 37 CFR 1, 76:  To Continuation Decisional Continuation or divisional application information is supplied under 80x 55, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.    Name   Naval Research Laborator   State   DC   Zip Code   20375-5320   | A X Drawing(s) (35 U. S. C. 113) [ Total Sheets 3 |  |                                       | 111  | J "                        |                   |   |
| a. Newly executed (original or copy) b. Copy from a prior application (37 CFR 1.63 (d)) b. (for continuation/divisional with Box 18 completed) copy from a prior application (37 CFR 1.63 (d)) copy from a prior application with Box 18 completed) copy from a prior application with Box 18 completed) copy from a prior application with Box 18 completed) copy from a prior application with Box 18 completed) copy from a prior application with Box 18 completed) copy from a prior application with Box 18 completed) copy from a prior application with Box 18 completed with Box 18 | E Oath as Declaration                             | L Total Bogos 20   |                                       | 12.  |                            | I .               |   |
| a. Copy from a prior application (37 CFR 1.63 (d)) b. (for continuation/idivisional with Box 18 completed) 1. DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b). 6. Application Data Sheet. See 37 CFR 1.76 18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1, 76: Continuation Data Sheet under 37 CFR 1, 76: Continuation Divisional Continuation-in-part (CIP) Prior application Information: Examinar Prior Continuation Information: Examinar Prior Continuation OR DIVISIONAL APPS only: The entire disclosure of the prior application no.: The incorporation gan ority be relied upon when a portion has been inadvertently omitted from the submitted application parts.  19 CORRESPONDENCE ADDRESS    Customer Number or Bar Code Label   (Insert | 5. Vath of Declaration                            | [ Total Pages 20   | '                                     |  |                            |                   |   |
| 1.   DELETION OF INVENTOR(S)   Signed statement attached deleting inventor(s)   named in the prior application, see 37 CFR   1.63(d)(2) and 1.33(b).   16.   | a. Newly execu                                    | ted (original or copy)   | 11                                    |  |                            |                   |   |
| 1.   DELETION OF INVENTOR(S)   Signed statement attached deleting inventor(s)   named in the prior application, see 37 CFR   1.63(d)(2) and 1.33(b).   16.   | b. Copy from a                                    | pnor application (37 CFR 1.03 (0<br>ion/divisional <i>with</i> Box 18 comple | eted)                                 | 14. Return Receipt Postcard (MPEP 503) (Should be specifically itemized) |                            |                   |   |
| 18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1, 76:    Continuation   Divisional   Continuation-in-part (CIP)   of prior application No.:   | DELETION OF INVENTOR(S)                           |  |                                       |  |                            |                   |   |
| 1.63(d)(2) and 1.33(b).  (b)(2)(13)(i). Applicant must attach form PTO/SB/35 or its equivalent.  (b)(2)(13)(i). Applicant must attach form PTO/SB/35 or its equivalent.  (c) The equivalent of equivalent of the equivalent of the equivalent of the equivalent of equival | Signed star                                       | tement attached deleting inventor(s)   |                                       |  | Request and Certific       | ation under 35    | 5 U.S.C. 122                              |
| or its equivalent.    17. Other:   Other:  |   |  |                                       | 16.  | (b)(2)(13)(i). Applicat    | nt must attach    | form PTO/SB/35                            |
| 18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1, 76:  Continuation Divisional Continuation-in-part (CIP) of prior application No.:  Prior application information: Examiner Group Art Unit.  For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently ornitted from the submitted application parts.  19 CORRESPONDENCE ADDRESS  X Customer Number or Bar Code Label (Insert Customer Number or Ba |   |  |                                       |  |                            |                   |   |
| or in an Application Data Sheet under 37 CFR 1, 76:  Continuation Divisional Continuation-in-part (CIP) of prior application No.:  Prior application information: Examiner Group Art Unit.  For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.  19 CORRESPONDENCE ADDRESS  X Customer Number or Bar Code Label (Insert Control of Correspondence address below)  Name Naval Research Laboraco 3, 30 the 1008.2  4555 Overlook AVA. S. W., Address  Code 1008.2  City Washington State DC Zip Code 20375-5320  Country US Telephone 202-404-1552 Fax 202-404-7380  Name (Print/Type) John J. Karasek Registration No. (Attomey/Agent) 36,182 1/1/43   | 6. X Application Data Sheet. See 37 CFR 1.76      |  |                                       |  |                            |                   |   |
| Continuation Divisional Continuation-in-part (CIP) of prior application No.:   | 18. If a CONTINUING APPLI                         | CATION, check appropriate box,   | and supply                            | the requis   | site information below ar  | nd in a prelimir  | nary amendment,                           |
| Prior application information: Examiner  | or in an Application Data She                     | et <i>under 37 CFR_</i> 1, 76:   |                                       |  |                            |                   |   |
| For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an eath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.  19 CORRESPONDENCE ADDRESS  X Customer Number or Bar Code Label  (Insert Customer N | Continuation                                      | Divisional Continuation-in-  | -part (CIP)                           | of p   | prior application No.:     | _'                |   |
| Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby intorporated by related to the incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.  19 CORRESPONDENCE ADDRESS    X   | Prior application information:                    | Examiner   |                                       | G  | Group Art Unit             |                   |   |
| The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.  19 CORRESPONDENCE ADDRESS  X Customer Number or Bar Code Label  (Irsert Customer Number or Bar Code Label  (Irser | For CONTINUATION OR DIVI                          | SIONAL APPS only: The entire disc  | th to erusok                          | e prior appli  | ication, from which an oat | th or declaration | n le supplied under<br>ated by reference. |
| Name  Naval Research Laboraco, 30 to 1008.2  Address Code 1008.2  City Washington  Country  Name (Print/Type)  Name (Print/Type)  State DC  Correspondence address below  Address  Code 1008.2  City  Code 1008.2  City  Country  Country  Country  Country  Country  Country  Country  Conversion No. (Attomey/Agent) 36,182 1/10/43  | The incorporation can only be                     | relied upon when a portion has be  | en inadverte                          | ently omitted  | d from the submitted app   | lication parts.   |   |
| Name Naval Research Laborator, 20th 1008.2  4555 Overlook AVETS WADEMARK OFFICE  Code 1008.2  City Washington State DC Zip Code 20375-5320  Country US Telephone 202-404-1552 Fax 202-404-7380  Name (Print/Type) John J. Karasek Registration No. (Attomey/Agent) 36,182 1/10/23  |   |  |                                       |  |                            |                   |   |
| Name Naval Research Laborator, 28 de 1008.2  4555 Overlook AVE.T.S.W., ADEMARK OFFICE  Code 1008.2  City Washington State DC Zip Code 20375-5320  Country US Telephone 202-404-1552 Fax 202-404-7380  Name (Print/Type) John J. Karasek Registration No. (Attomey/Agent) 36,182 2/10/az  |   |  |                                       |  | <b>7</b>                   |                   | ddanae balaur                             |
| Name         Naval Research Laborator, 38 de 1008.2           4555 Overlook AVETENST WADEMARK OFFICE           Code 1008.2           City         Washington         State DC         Zip Code 20375-5320           Country         US         Telephone 202-404-1552         Fax 202-404-7380           Name (Print/Type)         John J. Karasek         Registration No. (Attomey/Agent) 36,182 2/10/23   | Customer Number or Bar Co                         | ode Label (insert Customer No  | a Ademirie                            | e iabel here   | ) or                       | Correspondence ad | Idress Delow                              |
| Address   Code 1008.2  |   |  |                                       |  |                            |                   |   |
| Address   Code 1008.2  | Name  | Naval Research Laborato  | ,500 at 1                             | 008.2  |                            |                   |   |
| Address         Code 1008.2           City         Washington         State         DC         Zip Code         20375-5320           Country         US         Telephone         202-404-1552         Fax         202-404-7380           Name (Print/Type)         John J. Karasek         Registration No. (Attomey/Agent) 36,182         1/2/23   |   | 4555 Overlook AVA., S.W.,  | 555 Overlook APATENT TRADEMARK OFFICE |  |                            |                   |   |
| City         Washington         State         DC         Zip Code         20375-5320           Country         US         Telephone         202-404-1552         Fax         202-404-7380           Name (Print/Type)         John J. Karasek         Registration No. (Attomey/Agent) 36,182 1/10/23         April 1/10/23  | Address   |  |                                       |  |                            |                   |   |
| Name (Print/Type) John J. Karasek Registration No. (Attomey/Agent) 36,182 1/10/03  |   | Washington   |                                       | State 1  | OC                         | Zip Code          | 20375-5320                                |
| Name (Print/Type) John J. Karasek Registration No. (Attomey/Agent) 36,182 1/19/23  |   |  | Tele                                  | phone  | 202-404-1552               | Fax               | 202-404-7380                              |
| Name (1 min 1) pc)   | C 14 5 M (44                                      |  |                                       |  |                            | 82 1././-         |   |
| Signature Date ###   | Name (Print/Type) John J. Karasek                 |  |                                       | Negra  | Transmitte. (Allemey)      | 3, 3              | 12/12                                     |
|  | Signature   | 10/1/1   |                                       | ·  |                            | Date =            | #17 05 K                                  |

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## FEE TRANSMITTAL for FY 2003

Effective 0110112003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT

(\$) 822.00

| Compl te if Known    |                 |  |  |
|----------------------|-----------------|--|--|
| Application Number   | unknown         |  |  |
| Filing Date          | August 01, 2003 |  |  |
| First Named Inventor | Sanghera        |  |  |
| Examiner Name        | unknown         |  |  |
| Art Unit             | unknown         |  |  |
| Attorney Docket No.  | 82,499          |  |  |

| METHOD OF PAYMENT (check all that apply)   | FEE CALCULATION (continued)                            |   |          |  |
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| Check Credit card Money Other None   | Check Credit card Money Other None 3. ADDITIONAL FEES  |   |          |  |
| Deposit Account:   | Large Entity   Small Entity                            |   |          |  |
| Deposit Cocount.   | Fee Fee<br>Code (\$)                                   | Fee Fee Description   | Fee Paid |  |
| Account Number 50-0281   | 1051 130   | 2051 65 Surcharge - late filing fee or oath   | Lee Laid |  |
| Deposit  | 1052 50  | 2052 25 Surcharge - late provisional filing fee or  |          |  |
| Account NAVAL RESEARCH LABORATORY  | 4050 400   | cover sheet   |          |  |
| The Commissioner is authorized to: (check all that apply)  | 1053 130   | 1053 130 Non-English specification 1812 2,520 For filing a request for ex parte reexamination |          |  |
| Charge fee(s) indicated below Credit any overpayments  | 1812 2,520<br>1804 920*                                | · · · · · · · · · · · · · · · · · · ·   |          |  |
| Charge any additional fee(s) during the pendency of this application                             | 1004 920   | 1804 920* Requesting publication of SIR prior to<br>Examiner action                           |          |  |
| harge fee(s) indicated below, except for the filing fee to the above-identified deposit account. | 1805 1,840*  | 1805 1,840* Requesting publication of SIR after Examiner action                               |          |  |
| FEE CALCULATION  | 1251 110   | 2251 55 Extension for reply within first month  |          |  |
| 1. BASIC FILING FEE  | 1252 410   | 2252 205 Extension for reply within second month  |          |  |
| Large Entity Small Entity  | 1253 930   | 2253 465 Extension for reply within third month   |          |  |
| Fee Fee   Fee Fee Paid   Fee Paid   Code (\$)   Code (\$)  | 1254 1,450   | 2254 725 Extension for reply within fourth month  |          |  |
| 1001 750 2001 375 Utility filing fee 750.00  | 1255 1,970   | 2255 985 Extension for reply within fifth month   |          |  |
| 1002 330 2002 165 Design filing fee  | 1401 320   | 2401 160 Notice of Appeal   |          |  |
| 1003 520 2003 260 Plant filing fee   | 1402 320   | 2402 160 Filing a brief in support of an appeal   |          |  |
| 1004 750 2004 375 Reissue filing fee   | 1403 280   | 2403 140 Request for oral hearing   |          |  |
| 1005 160 2005 80 Provisional filing fee  | 1451 1,510   | 1451 1,510 Petition to institute a public use proceeding                                      |          |  |
| SUBTOTAL (1) (\$) 750.00   | 1452 110   | 2452 55 Petition to revive - unavoidable  |          |  |
|  | 1453 1,300   | 2453 650 Petition to revive - unintentional   |          |  |
| 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE Fee from   | 1501 1,300   | 2501 650 Utility issue fee (or reissue)   |          |  |
| Extra Claims below Fee Paid  Total Claims   Z4   -20- =   4   x   18.00   .72.00                 | 1502 470   | 2502 235 Design issue fee   |          |  |
| Independent 17   | 1503 630   | 2503 315 Plant issue fee  |          |  |
| Claims Multiple Dependent  | 1460 130   | 1460 130 Petitions to the Commissioner  |          |  |
| ·  | 1807 50  | 1807 50 Processing fee under 37 CFR 1.17(q)   |          |  |
| Large Entity   Small Entity Fee Fee   Fee Fee   Fee Description                                  | 1806 180   | 1806 180 Submission of information Disclosure Stmt  |          |  |
| Code (\$) Code (\$)  | 8021 40  | 8021 40 Recording each patent assignment per property (times number of properties)            |          |  |
| 1202 18 2202 9 Claims in excess of 20  | 1809 750   | 2809 375 Filing a submission after final rejection  |          |  |
| 1201 84 2201 42 Independent claims in excess of 3  |  | (37 CFR 1.129(a))   | ———      |  |
| 1203 280 2203 140 Multiple dependent claim, if not paid 2204 42 Reissue independent claims       | 1810 750   | 2810 375 For each additional invention to be examined (37 CFR 1.129(b))                       |          |  |
| over original patent   | 1801 750   | 2801 375 Request for Continued Examination (RCE)  |          |  |
| 1205 18 2205 9 Reissue claims in excess of 20 and over original patent                           | 1802 900   | 1802 900 Request for expedited examination of a design application                            |          |  |
| SUBTOTAL (2) (\$) 72.00  | Other fee (s   |   |          |  |
| • *or number previously paid, if greater, For Reissues, see above                                | • Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 0 |   |          |  |
| (Complete (if englishe)  |  |   |          |  |

| SUBMITTED BY      |                 |  | (Complete ( | if applicable) |
|-------------------|-----------------|--|-------------|----------------|
| Name (PrintfType) | John J. Karasek | Registration No. (Attorney/Agent) 36,182 | Telephone   | (202) 404-1552 |
| . Signature       |                 |  | Date        | 7/10/03        |

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